

Application No.: 10/024,143  
 Amdt. Dated: May 3, 2006  
 Reply to Office Action Dated: February 3, 2006

Attorney Docket No. CMED.10185  
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### Amendments to the Claims:

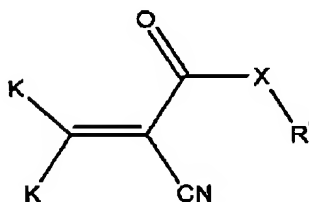
This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

Claim 1 (Cancelled).

Claims 2-3 (Cancelled).

Claim 4 (Currently amended) ~~The composition of claim 1,~~ A composition comprising a chemical moiety comprising the structure:



wherein:

K is H;

X is O, NR, S or Se;

R is absent, -H, -(CH<sub>2</sub>)<sub>n</sub>alkyl, -(CH<sub>2</sub>)<sub>n</sub>alkenyl, -(CH<sub>2</sub>)<sub>n</sub>alkynyl, -(CH<sub>2</sub>)<sub>n</sub>cycloalkyl, -(CH<sub>2</sub>)<sub>n</sub> heterocyclyl, -(CH<sub>2</sub>)<sub>n</sub>aryl or -(CH<sub>2</sub>)<sub>n</sub>heteroaryl;

n is an integer from 0 to 10;

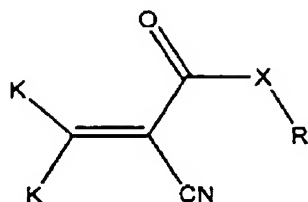
R' is a substituted organic residue; and

[R'-X] comprises wherein R'-X is an amino acid residue.

Claim 5 (Currently amended): ~~The composition of claim 1,~~ A composition comprising a chemical moiety comprising the structure:

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K is H;

X is O, NR, S or Se;

R is absent, -H, -(CH<sub>2</sub>)<sub>n</sub>alkyl, -(CH<sub>2</sub>)<sub>n</sub>alkenyl, -(CH<sub>2</sub>)<sub>n</sub>alkynyl, -(CH<sub>2</sub>)<sub>n</sub>cycloalkyl, -(CH<sub>2</sub>)<sub>n</sub>heterocyclyl, -(CH<sub>2</sub>)<sub>n</sub>aryl or -(CH<sub>2</sub>)<sub>n</sub>heteroaryl;

n is an integer from 0 to 10;

R' is a substituted organic residue; and

[R'-X] comprises wherein R'-X is a residue of an amino acid selected from the group consisting of glycine, alanine, valine, cysteine, leucine, isoleucine, serine, threonine, methionine, glutamic acid, aspartic acid, glutamine, asparagine, lysine, arginine, proline, histidine, phenylalanine, tyrosine and tryptophan.

Claim 6 (Original): The composition of claim 4, wherein said residue is of an amino acid selected from the group consisting of glycine, alanine, valine, cysteine, leucine, isoleucine, serine, threonine, methionine, glutamic acid, aspartic acid, glutamine, asparagine, lysine, arginine, proline, histidine, phenylalanine, tyrosine, tryptophan, and an analog, derivative or congener of any of the foregoing.

Claim 7 (Original): The composition of claim 5, wherein said amino acid is an (L) stereoisomer.

Claims 8 -151 (Cancelled).